



**{In Archive} Fw: CHANGE IN INJECTION WELLS CAN CUT EARTHQUAKE RISK, SCIENTIST TELLS SENATE PANEL**

**Michael Overbay** to: Philip Dellinger, Nancy Dorsey, Susie McKenzie

06/21/2012 08:55 AM

From: Michael Overbay/R6/USEPA/US  
To: Philip Dellinger/R6/USEPA/US@EPA, Nancy Dorsey/R6/USEPA/US@EPA, Susie McKenzie/R6/USEPA/US@EPA,  
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From: Ruben Casso/R6/USEPA/US  
To: Michael Overbay/R6/USEPA/US@EPA  
Date: 06/21/2012 07:59 AM  
Subject: CHANGE IN INJECTION WELLS CAN CUT EARTHQUAKE RISK, SCIENTIST TELLS SENATE PANEL

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**CHANGE IN INJECTION WELLS CAN CUT EARTHQUAKE RISK, SCIENTIST TELLS SENATE PANEL**

Changing the way wastewater injection wells are planned and operated can largely resolve most concerns about man-made earthquakes resulting from oil-field activity, a scientist told the U.S. Senate Energy and Natural Resources Committee on Tuesday. "I think it is clear, with proper planning, monitoring and response, the occurrence of small to moderate earthquakes associated with waste injection can be reduced and the risk associated with these events effectively managed," Mark Zoback, professor of geology at Stanford University, told the committee in Washington. Oklahoma is one of several states that have seen a significant increase of small earthquakes in recent years at the same time new drilling techniques - including hydraulic fracking - have become more common.

<http://www.energy.senate.gov/public/index.cfm/hearings-and-business-meetings?ID=2c908340-a9bb-40b4-bf7f-8308b272893d>

FULL COMMITTEE HEARING: Induced Seismicity Potential in Energy Technologies